Ex 1 :

import java.util.Scanner;

public class HW1

{

public static void main (String[]args)

{

int a ;

int b ;

Scanner tastatura = new Scanner (System.in);

System.out.println("Choose a number : ") ;

a = tastatura.nextInt () ;

System.out.println("Choose another number : ") ;

b = tastatura.nextInt () ;

if (a>b)

System.out.println(a) ;

else System.out.println(b) ;

if (b-a>a-b)

System.out.println(a) ;

else System.out.println(a-b) ;

if (a==b)

System.out.println(a+b) ;

else System.out.println(b-a) ;

if (a!=b)

System.out.println(a+ " and " +b) ;

else System.out.println(a) ;

tastatura.close() ;

}

}

Ex 2 :

import java.util.Scanner;

public class HW2

{

public static void main (String[]args)

{

System.out.println(" Choose a number : ") ;

int x ;

Scanner tastatura = new Scanner (System.in);

x = tastatura.nextInt() ;

if (x<-5)

{

System.out.println("Double of number; " + x\*x) ;

}

if (x>=-5 && x<2)

{

System.out.println(" The number plus one ; " + x+1) ;

}

if (x >=2)

{

System.out.println(" Triple number ; " + x\*x\*x) ;

}

tastatura.close() ;

}

}

Ex 3 :

import java.util.Scanner;

public class HW3

{

public static void main (String[]args) {

Scanner tastatura = new Scanner(System.in) ;

System.out.println(" Choose three numbers : ");

int a = tastatura.nextInt();

int b = tastatura.nextInt();

int c = tastatura.nextInt();

if ((a < b) && (b < c)){

System.out.println("Ascending arangement "+a+","+b +","+c+ " and descending arangement " +c+","+b+","+a);

}

if ((a < b) && (b > c)){

System.out.println("Ascending arangement " +c+","+a+","+b+ " and descending arangement " +b+","+a+","+c);

}

if ((a > b) && (b > c)){

System.out.println("Ascending arangement " +c+","+b+","+a+ " and descending arangement " +a+","+b+","+c);

}

if ((a > b) && (b < c)){

System.out.println("Ascending arangement " +b+","+a+","+c+ " and descending arangement " +c+","+a+","+b );

}

tastatura.close();

}

}

EX 4 :

import java.util.Scanner ;

public class HW4

{

public static void main(String[] args) {

Scanner tastatura = new Scanner (System.in) ;

int x , y , result;

char op ;

System.out.println(" Choose a number :");

x = tastatura.nextInt();

System.out.println(" Choose another number :");

y = tastatura.nextInt();

System.out.println(" Choose the operator :");

op = tastatura.next().charAt(0);

if (op == '+')

{

result = x + y ;

System.out.println(x +" "+op +" "+y +" = "+" "+ result ) ;

}

else if(op == '-')

{

result=x-y;

System.out.println(x +" "+op +" "+y +" = "+" "+ result ) ;

}

else if(op == '/')

{

result=x/y;

System.out.println(x +" "+op +" "+y +" = "+" "+ result ) ;

}

else if(op == '\*')

{

result=x\*y;

System.out.println(x +" "+op +" "+y +" = "+" "+ result ) ;

}

tastatura.close() ;

}

}